

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Shanaka C. Ewing

GENERAL INFORMATION:

Name:	East Kentucky Power Cooperative, Inc.
Address:	1925 Ford Road, Ford, Kentucky, 40320
Date application received:	September 18, 2003 (NOx Budget), May 3, 2004 (Title V Renewal)
SIC/Source description:	4911/Fossil Fuel Electric Power Generation
Source I.D. #:	21-049-00003
Activity #:	APE20040001
Source A.I.# :	809
Permit number:	V-04-038

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

☒ Acid rain source
☒ NOx Budget source
☐ Source subject to 112(r)
☐ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Controlled Total (tpy)	Title V Potential (tpy)
CO	196.54	196.54
NO _x	5405.71	5545.53
PM ₁₀	490.73	2636.23
PT	251.24	2837.82
SO ₂	15043.04	15043.04
VOC	23.58	23.58
HCl	260.37	260.37

SOURCE DESCRIPTION:

An application for a renewal to the Title V Permit, V-97-053, for the East KY Power Cooperative/William C. Dale Generating Station was received on May 3, 2004. A nitrogen oxides (NO_x) budget permit application was received on September 18, 2003. The new Title V permit will include a renewal of the Phase II Acid Rain Permit and the NO_x Budget Permit.

The facility is classified as a Title V major source of air pollution based on the potential to emit more than 100 tons per year (tpy) of carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter less than 10 microns (PM₁₀), and sulfur dioxide (SO₂).

The source is an electric power generating station consisting of four (4) pulverized coal-fired boilers. The boilers have an input capacity of 255.9 mmBtu/hr each for Unit 1 & 2, 796.3 mmBtu/hr and 756 mmBtu/hr for Units 3 & 4, respectively. All units are wall-fired, and are equipped with electrostatic precipitators (ESPs). Units 3 & 4 are equipped with low nitrogen oxide burners, in addition to ESPs.

EMISSION AND OPERATING CAPS DESCRIPTION: N/A

OPERATIONAL FLEXIBILITY: N/A